

IN THE CLAIMS

1. (Currently Amended) 1. Recessed hinge to make a temple (~~A, A¹, A², A³, A⁴~~) elastic with respect to a respective end piece ~~endpiece~~ (~~3, 3¹, 3², 3³, 3⁴~~) of a frame (F) of a pair of spectacles, said hinge comprising:

at least a male hinging element (~~100, 100¹, 100², 100³, 100⁴~~) pivoted to at least a corresponding female element (~~200, 200¹, 200², 200³, 200⁴~~),

said male hinging element (~~100, 100¹, 100², 100³, 100⁴~~) comprising at least a tie-rod (~~12, 12¹, 12², 12³, 12⁴~~) able to slide with respect to said temple (~~A, A¹, A², A³, A⁴~~),

a bushing (~~2, 2², 2³, 2⁴, 73~~) arranged inside said temple (~~A, A¹, A², A³, A⁴~~) and axially associated with said tie-rod (~~12, 12¹, 12², 12³, 12⁴~~), and

an elastic means (~~5, 5¹, 5², 5³, 5⁴~~) loaded between said bushing (~~2, 2², 2³, 2⁴, 73~~) and an abutment element (~~6, 6¹, 6², 6³, 6⁴~~) attached to said tie-rod (~~12, 12¹, 12², 12³, 12⁴~~), characterized in that

wherein said female element (~~200, 200¹, 200², 200³, 200⁴~~) comprises a seating (~~30, 30¹, 30², 30³, 30⁴~~) made in said end piece ~~endpiece~~ (~~3, 3¹, 3², 3³, 3⁴~~) by removing material, and in that

said male hinging element (~~100, 100¹, 100², 100³, 100⁴~~) comprises a hook element (~~1, 1¹, 14, 60~~), solid with said tie-rod (~~12, 12¹, 12², 12³, 12⁴~~), housed in said seating (~~30, 30¹, 30², 30³, 30⁴~~) and able to articulate on a pin (~~4, 4¹, 4², 14~~) arranged inside said seating (~~30, 30¹, 30², 30³, 30⁴~~), and

said bushing is clamped through interference inside a mating hole made in the relative

temple.

2. (Currently Amended) Recessed hinge as in claim 1, ~~characterized in that~~ wherein said male hinging element $[(100^1)]$ comprises two tie-rods $[(12^1)]$ arranged co-planar and substantially parallel with each other, and able to be pivoted with the relative hook elements $[(1^1)]$ inside relative seatings $[(30^1)]$.

3. (Currently Amended) Recessed hinge as in claim 1, ~~characterized in that~~ wherein said male hinging element $[(100^2, 100^4)]$ comprises two tie-rods $[(12^2, 12^4)]$ arranged co-planar and substantially parallel with each other, and able to be pivoted with the relative hook elements $[(14, 60)]$ inside a single common seating $[(30^2, 30^4)]$.

4. (Currently Amended) Recessed hinge as in claim 2 ~~or 3~~, ~~characterized in that it comprises~~ comprising a single pin $(4^1, 4^2, 14)$ to pivot said tie-rods $(12^1, 12^2, 12^4)$.

5. (Currently Amended) Recessed hinge as in claim 1 ~~any claim hereinbefore~~, ~~characterized in that~~ wherein said seating $(30, 30^1, 30^2, 30^3, 30^4)$ comprises at least two lateral fins $(31, 31^1)$ provided with respective through holes $(32, 32^1)$, with which a central hole $(11, 11^1)$ is axially aligned, made through transverse to said hook element $(1, 1^1, 1^4, 60)$, said through holes $(32, 32^1)$ being able to allow the insertion of said pin $(4, 4^1, 4^2, 14)$ through said fins $(31, 31^1)$ and said hook element $(1, 1^1, 14, 60)$.

6. (Currently Amended) Recessed hinge as in claim 5, ~~characterized in that~~ wherein at least one of said through holes $(32, 32^1)$ is threaded ~~in order~~ to allow said pin $(4, 4^1, 4^2, 14)$ to be screwed therein.

7. (Currently Amended) Recessed hinge as in claim 5 ~~or 6~~, ~~characterized in that~~ wherein said seating $(30, 30^1, 30^2, 30^3, 30^4)$ comprises at least a curved segment having a radius

of curvature (R) centered in said through holes ($32, 32^1$), equal to or a little more than a radius of curvature (\mp) of said hook element ($1, 1^1$), centered in said central hole ($11, 11^1$).

8. (Currently Amended) Recessed hinge as in claim 7, ~~characterized in that~~ wherein said through holes ($32, 32^1$) have a center distant from the leading edge and from the lower edge of said end piece ~~endpiece~~ ($3, 3^1$) of a distance substantially equal to said curved segment radius of curvature (R).

9. (Currently Amended) Recessed hinge as in ~~any~~ claim 1 ~~hereinbefore~~, ~~characterized in that~~ wherein said bushing ($2, 2^2, 2^3, 2^4$) ~~is able to be inserted inside a mating hole~~ ($71, 71^2, 71^3, 71^4$) ~~made at one end~~ ($7, 7^2, 7^3, 7^4$) of said temple (A, A^2, A^3, A^4), and comprises a slightly undulating outer surface (20), a lead-in (21) shaped like a truncated cone, and a through hole (22), able to house said tie-rod ($12, 12^2, 12^3, 12^4$) with a slight play.

10. (Currently Amended) Recessed hinge as in ~~any~~ claim 1 ~~hereinbefore~~, ~~characterized in that~~ wherein said bushing is made at one end (7^1) of said temple (A^1) and comprises a through hole (73) made coaxial and having a reduced diameter with respect to a hole (71^1).

11. (Currently Amended) Recessed hinge as in claim 10, ~~characterized in that~~ wherein said hole (71^1) is open on one side and is able to be selectively closed by a plate (75).

12. (Currently Amended) Recessed hinge as in claim 3, ~~characterized in that~~ wherein said two tie-rods (12^2) are connected to each other inside said seating (30^2) by a coil-type connection element (60), arranged around a pin (4^2).

13. (Currently Amended) Recessed hinge as in claim 3 ~~or 12~~, ~~characterized in that~~ wherein only one of said tie-rods ($12^2, 12^4$) is associated with a relative elastic means ($5^2, 5^4$).

14. (Currently Amended) Recessed hinge as in claim 1, ~~characterized in that~~ wherein said male hinging element (100³) and the female element (200³) are arranged and made inside corresponding containing boxes (50, 51) associated respectively with said temple (A³) and with the endpiece (3³).

15. (Currently Amended) Recessed hinge as in claim 3, ~~characterized in that~~ wherein said two tie-rods (12⁴) are connected to each other by a transverse element (14) orthogonal thereto, functioning as a pin, and ~~in that~~ said female element (200⁴) comprises a hook element (40) open at one side and partly drowned inside said seating (30⁴), and able to cooperate with said transverse element (14) ~~in order~~ to determine the pivoting of said male hinging element (100⁴) and said female element (200⁴).

16. (Currently Amended) Recessed hinge as in ~~any~~ claim 1 ~~hereinbefore~~, ~~characterized in that~~ wherein said hook element (1, 1¹, 14, 60) is ~~able to be inserted~~ insertable with play into said seating (30, 30¹, 30², 30³, 30⁴) ~~in order~~ to allow a pre-determined vertical movement of the temples (A, A¹, A², A³, A⁴), and also a possible pantoscopic adjustment, by means of a prior conformation of said endpiece (3, 3¹, 3², 3³, 3⁴).

17. (New) Recessed hinge as in claim 1, wherein each hook element is equipped with a through hole inside which said articulation pin is insertable.

18. (New) Recessed hinge as in claim 1, wherein said bushing is inserted in a forced manner under cold conditions inside the mating hole made in the relative temple.